We Claim:

1	1.	A method in a computing system for managing enterprise data, the
2		method comprising:
3		extracting enterprise information in a first form that is associated with a
4		first source computerized system;
5		converting the enterprise information in the first form into corresponding
6		information that is in a second intermediate form; and
7		converting the enterprise information in the second intermediate form
8		into a target form that corresponds to a target computerized
9		system, wherein the second intermediate form includes a plurality
10		of common data type elements that are adapted to be shared
11		across a plurality of data objects in the second intermediate form.
1	2.	The method of Claim 1, further comprising:
2		extracting enterprise information in a third form that is associated with a
3		second source computerized system that is distinct from the first
4		source computerized system;
5		converting the enterprise information in the third form into enterprise
6		information that is in the second intermediate form; and
7		converting the enterprise information in the second intermediate form
8		into the target form.
1	3.	The method of Claim 1, wherein the common data type elements include
2		one or more elements comprising:
3		an application element;
4		a fault handler input element;

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- a fault transformer input element;
- 7 a fault transformer output element;
- a list of application instance element;
- a list of application type element;
- a list of ID cross-reference element;
- a list of ID cross-reference data element;
- a list of message definition element;
- a list of message text element;
- a list of value cross-reference element;
- a list of value cross-reference data element;
- 16 a message element;
- a message set element;
- an activity type element;
- an address type element;
- an alternate ID type element;
- a communication data type element;
- 22 a data cleansing data type element; and
- 23 a payment card type element.
 - 4. The method of Claim 3, wherein the application element includes one or
- 2 more elements comprising:
- an application instance name element;
- an application type name element; and
- 5 an application instance description element.

5. The method of Claim 3, wherein the fault handler input element includes 2 one or more elements or sub-elements comprising: an error type element; 3 an error language element; an error severity element; 5 an error flow name element; an error flow context element; a process name element; a message set element; a plurality of message text sub-elements; and 10 a plurality of child message set sub-elements. . 11 6. The method of Claim 3, wherein the fault handler output element 1 2 includes a message text element. 7. The method of Claim 3, wherein the fault transformer input element includes one or more elements or sub-elements comprising: 2 an error type element; 3 an error language element; 5 an error severity element; an error flow name element; 6 an error flow context element; 7 a process name element; a message set element;

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a plurality of message text sub-elements; and

- a plurality of child message set sub-elements. .
- The method of Claim 3, wherein the fault transformer output element includes a message text element.
- 1 9. The method of Claim 3, wherein the list of application instance element
- includes one or more elements or sub-elements comprising:
- a plurality of application instance definition elements;
- 4 an application instance name sub-element;
- 5 an application type name sub-element;
- an application instance description sub-element;
- 7 a list of one-to-many ID cross-reference sub-element;
- 8 a plurality of ID cross-reference sub-elements;
- an ID cross-reference name sub-element; and
- an ID cross-reference description sub-element.
- 1 10. The method of Claim 3, wherein the list of application type element
- includes one or more elements or sub-elements comprising:
- 3 a plurality of application type elements;
- an application type name sub-element; and
- 5 an application type description sub-element.
 - 11. The method of Claim 3, wherein the list of ID cross-reference element
- includes one or more elements or sub-elements comprising:
- a plurality of ID cross-reference elements;
- an ID cross-reference name sub-element; and
- 5 an ID cross-reference description sub-element.

- 1 12. The method of Claim 3, wherein the list of ID cross-reference data
- 2 element includes one or more elements or sub-elements comprising:
- a plurality of ID cross-reference elements;
- a plurality application instance sub-elements; and
- 5 a plurality application ID sub-elements.
- 1 13. The method of Claim 3, wherein the list of message definition element
- includes one or more elements or sub-elements comprising:
- a plurality of message definition elements;
- 4 a message code sub-element;
- 5 a message description sub-element;
- a message corrective action sub-element; and
- a message argument name sub-element.
- 1 14. The method of Claim 3, wherein the list of message text element
- includes a plurality of message text elements.
- 1 15. The method of Claim 3, wherein the list of value cross-reference element
- includes one or more elements or sub-elements comprising:
- a plurality of value cross-reference elements;
- a value cross-reference name sub-element; and
- 5 a value cross-reference description sub-element.
- 16. The method of Claim 3, wherein the list of value cross-reference data
- 2 element includes one or more elements or sub-elements comprising:
- a plurality of value cross-reference elements;

- a plurality application type sub-elements; and
- 5 a plurality application value sub-elements.
- 1 17. The method of Claim 3, wherein the message set element includes one
- or more elements or sub-elements comprising:
- a plurality of message text elements; and
- a plurality of child message set elements. .
- 1 18. The method of Claim 3, wherein the activity type element includes one or
- 2 more elements or sub-elements comprising:
- an activity published code element
- 4 an activity comment element;
- 5 an activity duration element;
- an activity end date element;
- an activity number element;
- 8 an activity reason code element;
- 9 an activity start date element;
- 10 an activity task description element;
 - an activity type code element;
 - an activity planned duration sub-element;
 - an activity actual duration sub-element;
 - an activity actual date sub-element;
 - an activity actual time sub-element;
 - an activity planned date sub-element; and
 - an activity planned time sub-element. .

19. The method of Claim 3, wherein the address type element includes one or more elements or sub-elements comprising: 2 a plurality of address line elements; 3 an address city element; an address state code element; 5 an address county element; an address province element; an address country code element; an address house number element; an address house prefix element; 10 11 an address house suffix element; 12 an address postal code element; an address street direction element; 13 an address street name element; 14 an address street number element; 15 an address street prefix number element; 16 17 an address street prefix type element; an address street suffix element; 18 19 an address thoroughfare element; an address list of location designator element; 20 a plurality of address location designator sub-elements; 21 22 an address location designator name sub-element; and an address location designator value sub-element. 23

20. The method of Claim 3, wherein the alternate ID type element includes 2 one or more elements comprising: an ID element; and 3 an ID type element. . 21. The method of Claim 3, wherein the communication data type element 1 includes one or more elements or sub-elements comprising: 2 a list of phone number element; 3 a list of email element; a list of web page element; a custom communication data element; a phone number sub-element; an email sub-element; 8 9 a web page sub-element; 10 a phone number area code sub-element; a phone number country code sub-element; 11 a phone number full number sub-element; 12 a phone number extension sub-element; 13 a phone number international access code sub-element; 14 15 a phone number number sub-element; a phone number type code sub-element; 16 17 an email type sub-element; an email address sub-element; 18 a web page type sub-element; and 19

a web page address sub-element...

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l	22.	The method of Claim 3, wherein the data cleansing type element
2		includes a disable cleansing flag element.
l	23.	The method of Claim 3, wherein the payment card type element includes
2		one or more elements comprising:
3		a payment card type element;
4		a payment card number element;
5		a payment card holder element;
6		a payment card expiration year element;
7		a payment card expiration month element; and
8		a payment card verification number element
l	24.	A computer-readable medium carrying one or more sequences of
2		instructions for managing enterprise data, wherein execution of the one
3		or more sequences of instructions by one or more processors causes the
4		one or more processors to perform:
5		extracting enterprise information in a first form that is associated with a
6		first source computerized system;
7		converting the enterprise information in the first form into corresponding
8		information that is in a second intermediate form; and
9		converting the enterprise information in the second intermediate form
10		into a target form that corresponds to a target computerized
11		system, wherein the second intermediate form includes a plurality
12		of common data type elements that are adapted to be shared

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across a plurality of data objects in the second intermediate form.

- 1 25. A data structure for managing enterprise data, the data structure
- 2 comprising common data type elements that include one or more
- 3 elements comprising:
- 4 an application element;
- 5 a fault handler input element;
- a fault handler output element;
- a fault transformer input element;
- 8 a fault transformer output element;
- 9 a list of application instance element;
- a list of application type element;
- a list of ID cross-reference element;
- a list of ID cross-reference data element;
- a list of message definition element;
- a list of message text element;
- a list of value cross-reference element;
- a list of value cross-reference data element;
- a message element;
- a message set element;
- an activity type element;
- an address type element;
- an alternate ID type element;
- a communication data type element;
- a data cleansing data type element; and
- 24 a payment card type element.

26. The data structure of Claim 25, wherein the application element includes 2 one or more elements comprising: 3 an application instance name element; an application type name element; and 5 an application instance description element. 6 27. The data structure of Claim 25, wherein the fault handler input element 1 includes one or more elements or sub-elements comprising: 2 an error type element; an error language element; an error severity element; 5 an error flow name element; 6 7 an error flow context element; a process name element; 8 a message set element; a plurality of message text sub-elements; and 10 a plurality of child message set sub-elements. . 11 The data structure of Claim 25, wherein the fault handler output element 28. 1 includes a message text element. 2 29. The data structure of Claim 25, wherein the fault transformer input 1 element includes one or more elements or sub-elements comprising: 2 3 an error type element;

an error language element;

an error severity element;

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- 6 an error flow name element;
- 7 an error flow context element;
- 8 a process name element;
- 9 a message set element;
- a plurality of message text sub-elements; and
- a plurality of child message set sub-elements. .
- 1 30. The data structure of Claim 25, wherein the fault transformer output
- element includes a message text element.
- 1 31. The data structure of Claim 25, wherein the list of application instance
- 2 element includes one or more elements or sub-elements comprising:
- a plurality of application instance definition elements;
- an application instance name sub-element;
- 5 an application type name sub-element;
- an application instance description sub-element;
- 7 a list of one-to-many ID cross-reference sub-element;
- a plurality of ID cross-reference sub-elements;
- an ID cross-reference name sub-element; and
- an ID cross-reference description sub-element.
- 1 32. The data structure of Claim 25, wherein the list of application type
- 2 element includes one or more elements or sub-elements comprising:
- a plurality of application type elements;
- an application type name sub-element; and
- 5 an application type description sub-element.

- 1 33. The data structure of Claim 25, wherein the list of ID cross-reference
- 2 element includes one or more elements or sub-elements comprising:
- a plurality of ID cross-reference elements;
- an ID cross-reference name sub-element; and
- 5 an ID cross-reference description sub-element.
- 1 34. The data structure of Claim 25, wherein the list of ID cross-reference
- data element includes one or more elements or sub-elements
- 3 comprising:
- 4 a plurality of ID cross-reference elements;
- a plurality application instance sub-elements; and
- 6 a plurality application ID sub-elements.
- 1 35. The data structure of Claim 25, wherein the list of message definition
- 2 element includes one or more elements or sub-elements comprising:
- a plurality of message definition elements;
- 4 a message code sub-element;
- 5 a message description sub-element;
- a message corrective action sub-element; and
- a message argument name sub-element.
- 1 36. The data structure of Claim 25, wherein the list of message text element
- includes a plurality of message text elements.
- 1 37. The data structure of Claim 25, wherein the list of value cross-reference
- 2 element includes one or more elements or sub-elements comprising:

- a plurality of value cross-reference elements;
- a value cross-reference name sub-element; and
- 5 a value cross-reference description sub-element.
- 1 38. The data structure of Claim 25, wherein the list of value cross-reference
- 2 data element includes one or more elements or sub-elements
- 3 comprising:
- a plurality of value cross-reference elements;
- a plurality application type sub-elements; and
- a plurality application value sub-elements.
- 1 39. The data structure of Claim 25, wherein the message set element
- includes one or more elements or sub-elements comprising:
- a plurality of message text elements; and
- a plurality of child message set elements. .
- 1 40. The data structure of Claim 25, wherein the activity type element
- includes one or more elements or sub-elements comprising:
- an activity published code element
- 4 an activity comment element;
- 5 an activity duration element;
- an activity end date element;
- an activity number element;
- 8 an activity reason code element;
- 9 an activity start date element;
- an activity task description element;

11		an activity type code element;
12		an activity planned duration sub-element;
13		an activity actual duration sub-element;
14		an activity actual date sub-element;
15		an activity actual time sub-element;
16		an activity planned date sub-element; and
17		an activity planned time sub-element
1	41.	The data structure of Claim 25, wherein the address type element
2		includes one or more elements or sub-elements comprising:
3		a plurality of address line elements;
4		an address city element;
5		an address state code element;
6		an address county element;
7	•	an address province element;
8		an address country code element;
9		an address house number element;
10		an address house prefix element;
11		an address house suffix element;
12		an address postal code element;
13		an address street direction element;
14		an address street name element;
15		an address street number element;
16		an address street prefix number element;
17		an address street prefix type element;

18		an address street suffix element;
19		an address thoroughfare element;
20		an address list of location designator element;
21		a plurality of address location designator sub-elements;
22		an address location designator name sub-element; and
23		an address location designator value sub-element.
1	42.	The data structure of Claim 25, wherein the alternate ID type element
2		includes one or more elements comprising:
3		an ID element; and
4		an ID type element
1	43.	The data structure of Claim 25, wherein the communication data type
2		element includes one or more elements or sub-elements comprising:
3		a list of phone number element;
4		a list of email element;
5		a list of web page element;
6		a custom communication data element;
7		a phone number sub-element;
8		an email sub-element;
9		a web page sub-element;
10		a phone number area code sub-element;
11		a phone number country code sub-element;
12		a phone number full number sub-element;
13		a phone number extension sub-element;
14		a phone number international access code sub-element;

- a phone number number sub-element;
- a phone number type code sub-element;
- an email type sub-element;
- an email address sub-element;
- a web page type sub-element; and
- a web page address sub-element..
- 1 44. The data structure of Claim 25, wherein the data cleansing type element includes a disable cleansing flag element.
 - 45. The data structure of Claim 25, wherein the payment card type element includes one or more elements comprising:
 - a payment card type element;
 - a payment card number element;
 - a payment card holder element;
 - a payment card expiration year element;
 - a payment card expiration month element; and a payment card verification number element.